

## CLAIMS

What is claimed is:

- 1 1. A method for providing a load-shared distribution architecture for a speech system  
2 over a network comprising the steps of:  
3 (a) disassembling a speech system into independent modules;  
4 (b) dividing the modules into separate parts;  
5 (c) determining a portion of a computational capacity of at least one of a plurality  
6 of devices utilized by the separate parts of the modules; and  
7 (d) deploying the modules over a network to at least one of the plurality of  
8 devices, depending on the computational capacity thereof.
- 1 2. The method as recited in claim 1, wherein the speech system includes at least one of  
2 an automatic speech recognition system (ASR), a text-to-speech systems (TTS), and  
3 a translation system.
- 1 3. The method as recited in claim 1, wherein the network includes at least one of a wide  
2 area network, a local area network, a peer to peer network, a wireless network, and a  
3 public telephone network.
- 1 4. The method as recited in claim 3, wherein the speech system services are carried out  
2 over the wide area network utilizing packet-switching.
- 1 5. The method as recited in claim 1, wherein the speech system services are carried out  
2 in a customer service environment.
- 1 6. The method as recited in claim 1, wherein at least one of the plurality of devices  
2 includes at least one of a server, a personal computer, a personal digital assistance, a

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3 cell phone, a telephone, web TV, a network router, a wireless device, and a bluetooth  
4 enabled device.

1 7. The method as recited in claim 1, wherein deploying the modules includes at least one  
2 of an automated process and a manual process.

1 8. The method as recited in claim 1, further comprising the steps of providing a  
2 translation.

1 9. The method as recited in claim 8, wherein the steps of providing the translation  
2 include receiving speech associated with a first language, transcribing the speech from  
3 the first language into text, translating the speech from the first language into text  
4 associated with a second language, and converting the text associated with the second  
5 language into speech associated with the second language.

1 10. A computer program embodied on a computer readable medium for providing a load-  
2 shared distribution architecture for a speech system over a network comprising the  
3 steps of:

- 4 (a) a code segment that disassembles a speech system into independent modules;
- 5 (b) a code segment that divides the modules into separate parts;
- 6 (c) a code segment that determines a portion of a computational capacity of at  
7 least one of a plurality of devices utilized by the separate parts of the modules;  
8 and
- 9 (d) a code segment that deploys the modules over a network to at least one of the  
10 plurality of devices, depending on the computational capacities thereof.

1 11. The computer program as recited in claim 10, wherein the speech system includes at  
2 least one of an automatic speech recognition system (ASR), a text-to-speech system  
3 (TTS), and a translation system.

- 1 12. The computer program as recited in claim 10, wherein the network includes at least  
2 one of a wide area network, a local area network, a peer to peer network, a wireless  
3 network, and a public telephone network.
- 1 13. The computer program as recited in claim 12, wherein the speech system services are  
2 carried out over the wide area network utilizing packet-switching.
- 1 14. The computer program as recited in claim 10, wherein the speech system services are  
2 carried out in a customer service environment.
- 1 15. The computer program as recited in claim 10, wherein at least one of the plurality of  
2 devices includes at least one of a server, a personal computer, a personal digital  
3 assistance, a cell phone, a telephone, and web TV, a network router, a wireless  
4 device, and a bluetooth enabled device.
- 1 16. The computer program as recited in claim 10, wherein deploying the modules includes  
2 at least one of an automated process and a manual process.
- 1 17. The computer program as recited in claim 10, further comprising a code segment for  
2 providing a translation.
- 1 18. The computer program as recited in claim 17, wherein the code segment for providing  
2 a translation further includes a code segment from at least one of the group consisting  
3 of a code segment that receives speech associated with a first language, a code  
4 segment that transcribes the speech from the first language into text, a code segment  
5 that translates the speech from the first language into text associated with a second  
6 language, and a code segment that converts the text associated with the second  
7 language into speech associated with the second language.

- 1 19. A system for providing a load-shared distribution architecture for a speech system  
2 over a network comprising the steps of:  
3 (a) logic that disassembles a speech system into independent modules;  
4 (b) logic that divides the modules into separate parts;  
5 (c) logic that determines a portion of a computational capacity of a at least one of  
6 a plurality of devices utilized by the separate parts of the modules; and  
7 (d) logic that deploys the modules over a network to at least one of the plurality  
8 of devices, depending on the computational capacity thereof.
- 1 20. The system as recited in claim 19, wherein the speech system includes at least one of  
2 an automatic speech recognition systems (ASR), a text-to-speech systems (TTS), and  
3 a translation system.
- 1 21. The system as recited in claim 19, wherein the network includes at least one of a wide  
2 area network, a local area network, a peer to peer network, a wireless network, and a  
3 public telephone network.
- 1 22. The system as recited in claim 21, wherein the speech system services are carried out  
2 over the wide area network utilizing packet-switching.
- 1 23. The system as recited in claim 19, wherein the speech system services are carried out  
2 in a customer service environment.
- 1 24. The system as recited in claim 19, wherein at least one of the plurality of devices  
2 includes at least one of a server, a personal computer, a personal digital assistance, a  
3 cell phone, a telephone, web TV, a network router, a wireless device, and a bluetooth  
4 enabled device.

- 1 25. The system as recited in claim 19, wherein deploying the modules includes at least  
2 one of an automated process and a manual process.
- 1 26. The system as recited in claim 19, further comprising logic that provides a translation.
- 1 27. The system as recited in claim 26, wherein the logic for providing a translation further  
2 includes logic from at least one of the group consisting of logic that receives speech  
3 associated with a first language, logic that transcribes the speech from the first  
4 language into text, logic that translates the speech from the first language into text  
5 associated with a second language, and logic that converts the text associated with  
6 the second language into speech associated with the second language.